

APPARATUS AND METHOD FOR IMPROVED FIBRE CHANNEL OVERSUBSCRIPTION OVER TRANSPORT

Abstract of the Disclosure

5 Oversubscription of Fibre Channel links over a transport network is provided. A transport interface according to the present invention may maintain a small ingress buffer in addition to the normal egress buffer. The ingress buffer is primarily used for oversubscription and the egress buffer is primarily used for flow control. Ready indications to multiple local Fibre Channel ports may be locally generated when flow
10 control conditions permit and may be distributed among the local Fibre Channel ports in response to preconfigured bandwidth sharing weights. Transport network efficiency is achieved by statistical multiplexing without significant increase in buffer memory requirements or introduction of latency into the flow control mechanism.